

NEEDS ASSESSMENT

FUTURE TRANSPORTATION NEEDS

The NC Moves 2050 project has developed transportation needs based on public input, data, studies, and interviews with experts. Transportation needs were projected for both 2030 and 2050 based on a continuing statewide economic growth **Trend** and Four **Alternative Futures**.



TREND - *Economic Demand; Consistent Growth; Business as Usual*



INNOVATIVE - *Connected Hubs; Shared Mobility; Drones, Driverless and Electric Vehicles*



RENEWED - *Local Economies; Connections; Balanced Growth*



GLOBALLY CONNECTED - *International Partners; Diverse Workforce; Industry Automation*



UNSTABLE - *Severe Weather Events; Funding Challenges; Threatened and At-risk Communities*

These Alternative Futures consider economic trends, population projections, and a growing number of transportation options. The Futures also consider opportunities such as new technologies and partnerships, which may make the North Carolina transportation system more efficient to use and for the N.C. Department of Transportation (NCDOT) to maintain.

The Needs Assessment helps show the level of investment needed to ensure N.C.'s transportation system performs efficiently, while also staying within budgetary constraints.

TRANSPORTATION NEEDS PROJECTION

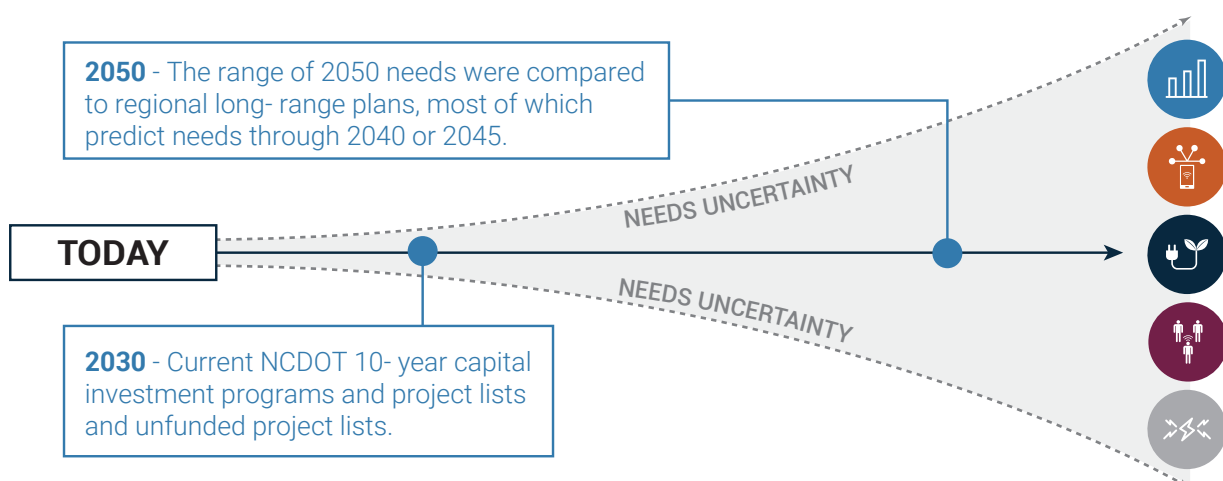
The future is unpredictable. Using high and low range to represent potential uncertainty communicates the range of resources needed to meet future transportation needs.

Transportation needs are grouped into 3 categories:

1. MOBILITY & MODERNIZATION - Includes projects such as adding lanes to a highway, providing new transit services, improving a rail station, buying a new bus or ferry, or extending a bike path.

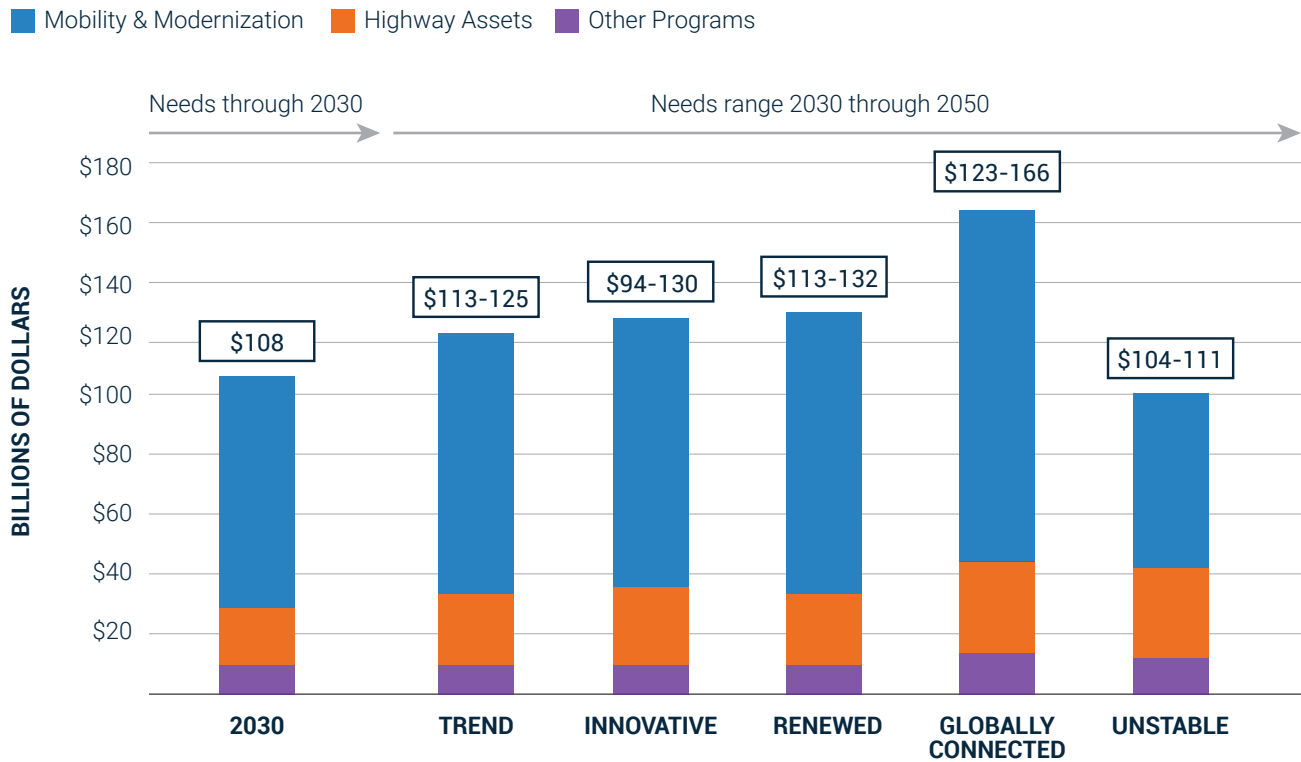
2. HIGHWAY ASSETS - Includes the maintenance and rehabilitation of N.C. roads and bridges.

3. OTHER PROGRAMS - Includes the cost to operate the transportation system, safety projects, and routine transportation services (such as storm recovery).



RESULTS

The 2050 trend assumes North Carolina's economy and the demand for travel will grow at about the same pace that it will from 2010 to 2030. The four Alternative Futures assume something different will happen – for example, the Unstable future assumes less economic growth, which means less need, while the Globally Connected future assumes more growth and more need.



WHAT HAPPENS NEXT?

IDENTIFYING STRATEGIES & ACTIONS that meet the N.C. Moves 2050 vision and goals and address the state's top priorities based on feedback from stakeholders and through a public survey.

ESTIMATE THE AMOUNT OF FUNDING available to meet the needs through 2030 and 2050. NCDOT and its partners will use this estimate to determine what strategies and actions are the best use of limited resources.

HOW DO WE USE THIS INFORMATION?

The needs analysis, along with input from NCDOT's leadership team, partners, and N.C. residents, will help us develop strategies and actions. For example:

STRATEGY - Address multimodal network gaps

ACTION - Expand bicycle and pedestrian networks to residential, commercial, and town center areas.